

# Tsu-Chin Tsao

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162  
papers

2,572  
citations

27  
h-index

46  
g-index

198  
ext. papers

3,122  
ext. citations

3.2  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
162	A Fast and Efficient Attitude Control Algorithm of a Tilt-Rotor Aerial Platform Using Inputs Redundancies. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 7, 1214-1221	4.2	0
161	A Simple Six Degree-of-Freedom Aerial Vehicle Built on Quadcopters <b>2021</b> ,		1
160	Physics-Driven Mask R-CNN for Physical Needle Localization in MRI-Guided Percutaneous Interventions. <i>IEEE Access</i> , <b>2021</b> , 9, 161055-161068	3.5	
159	Automated Retinal Vein Cannulation on Silicone Phantoms Using Optical-Coherence-Tomography-Guided Robotic Manipulations.. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 26, 2758-2769	5.5	1
158	Robotic posterior capsule polishing by optical coherence tomography image guidance. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2021</b> , 17, e2248	2.9	1
157	Somatosensory actuator based on stretchable conductive photothermally responsive hydrogel. <i>Science Robotics</i> , <b>2021</b> , 6,	18.6	46
156	Industrial robot accurate trajectory generation by nested loop iterative learning control. <i>Mechatronics</i> , <b>2021</b> , 74, 102487	3	3
155	Free-Breathing Volumetric Liver and Proton Density Fat Fraction Quantification in Pediatric Patients Using Stack-of-Radial MRI With Self-Gating Motion Compensation. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 118-129	5.6	6
154	Accelerated Convergence Interleaving Iterative Learning Control and Inverse Dynamics Identification. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-12	4.8	2
153	Semi-Automated Extraction of Lens Fragments via a Surgical Robot Using Semantic Segmentation of OCT Images with Deep Learning - Experimental Results in Animal Model. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 5261-5268	4.2	2
152	Integrated MIMO fault detection and disturbance observer-based control. <i>Mechatronics</i> , <b>2021</b> , 73, 102482	3	0
151	Improved Haptic Transparency of Bilateral Control Using Torque-Measured Magnetic Coupling. <i>Machines</i> , <b>2021</b> , 9, 172	2.9	
150	An Over-Actuated Multi-Rotor Aerial Vehicle With Unconstrained Attitude Angles and High Thrust Efficiencies. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 6828-6835	4.2	2
149	. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 8094-8101	4.2	3
148	Adaptive Tracking Control of One-Dimensional Respiration Induced Moving Targets by Real-Time Magnetic Resonance Imaging Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 1894-1903	5.5	1
147	Hydrostatic Actuation for Remote Operations in MR Environment. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 894-905	5.5	5
146	Inversion Based Adaptive Feedforward Control for Multivariable Systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 3791-3796	0.7	

145	MRI-guided targeted needle placement during motion using hydrostatic actuators. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2020</b> , 16, e2041	2.9	3
144	A robotic system for telementoring and training in laparoscopic surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2020</b> , 16, e2040	2.9	5
143	Iterative Learning of Dynamic Inverse Filters for Feedforward Tracking Control. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 349-359	5.5	10
142	Automatic needle tracking using Mask R-CNN for MRI-guided percutaneous interventions. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2020</b> , 15, 1673-1684	3.9	4
141	Active Transmission Module for Generator Speed Regulation. <i>IEEE Access</i> , <b>2020</b> , 8, 203787-203792	3.5	
140	Respiratory Motion Prediction Using Fusion-Based Multi-Rate Kalman Filtering and Real-Time Golden-Angle Radial MRI. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 1727-1738	5	8
139	The Effect of Haptic Feedback on Efficiency and Safety During Preretinal Membrane Peeling Simulation. <i>Translational Vision Science and Technology</i> , <b>2019</b> , 8, 2	3.3	8
138	Data-Driven ILC for Trajectory Tracking in Nonlinear Dynamic Systems <b>2019</b> ,		2
137	Semiautomated optical coherence tomography-guided robotic surgery for porcine lens removal. <i>Journal of Cataract and Refractive Surgery</i> , <b>2019</b> , 45, 1665-1669	2.3	10
136	A Nested-Loop Iterative Learning Control for Robot Manipulators. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 358-363	0.7	2
135	Multivariable Disturbance Observer Based Control with the Experiment on an Active Magnetic Bearing Spindle. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 388-393	0.7	2
134	Robust Disturbance Estimation - An Integrated Game Theoretic and Unknown Input Observer Approach <b>2019</b> ,		1
133	Near Time-Optimal Real-Time Path Following Under Error Tolerance and System Constraints. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	2
132	Intraocular robotic interventional surgical system (IRISS): Mechanical design, evaluation, and master-slave manipulation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2018</b> , 14, e1842	2.9	38
131	Twisting and Tilting Rotors for High-Efficiency, Thrust-Vectored Quadrotors. <i>Journal of Mechanisms and Robotics</i> , <b>2018</b> , 10,	2.2	5
130	Intraocular robotic interventional surgical system (IRISS): Semi-automated OCT-guided cataract removal. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2018</b> , 14, e1949	2.9	22
129	Wind turbine system identification and individual pitch control <b>2017</b> ,		3
128	Mechatronics pedagogy in mechanical engineering capstone design <b>2017</b> ,		2

127	An MR-Compatible Stage for Respiratory Motion Emulation. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 6073-6078	0.7	4
126	Robot Assisted Machining of Thin-Walled Structures. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 14594-14599	0.7	5
125	Data-Driven Progressive and Iterative Learning Control * *This work was supported in part by funds from UCLA Jules Stein Institute, Matech Industries, LTD. Taiwan, and the National Institute of Health, R21 Grant No. 5R21EY024065-02.. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4825-4830	0.7	4
124	Dynamic Trajectory Tracking by Synergistic Dual-Stage Actuation and Control. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 2600-2610	5.5	8
123	Control of Magnetic Bearings for Rotor Unbalance With Plug-In Time-Varying Resonators. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2016</b> , 138, 0110011-1100111	1.6	5
122	Receding-Horizon Adaptive Control of Laser Beam Jitter. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2016</b> , 21, 227-237	5.5	7
121	Real-Time Sub-Count Estimation With State Continuity for Asynchronous and Quantized Sensing. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2016</b> , 21, 1457-1466	5.5	2
120	MIMO Repetitive Control of an Active Magnetic Bearing Spindle. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 192-199	0.7	8
119	Data-based feedforward controller reconstruction from iterative learning control algorithm <b>2016</b> ,		4
118	An Automated Mouse Tail Vascular Access System by Vision and Pressure Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2015</b> , 20, 1616-1623	5.5	7
117	A comparison of inversion based Iterative Learning Control Algorithms <b>2015</b> ,		4
116	Control of a Base Load and Load-Following Regulating Organic Rankine Cycle for Waste Heat Recovery in Heavy-Duty Diesel Powertrain <b>2015</b> ,		3
115	High-Sampling Rate Dynamic Inversion Filter Realization and Applications in Digital Control. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2014</b> , 19, 238-248	5.5	6
114	Linear Quadratic Integral control of an Organic Rankine Cycle for waste heat recovery in heavy-duty diesel powertrain <b>2014</b> ,		20
113	Control of incident irradiance on a batch operated flat-plate photobioreactor. <i>Chemical Engineering Science</i> , <b>2014</b> , 119, 99-108	4.4	30
112	Control of Magnetic Bearings with plug-in time-varying harmonic resonators <b>2014</b> ,		2
111	Model Predictive Control of Organic Rankine Cycle for Waste Heat Recovery in Heavy-Duty Diesel Powertrain <b>2014</b> ,		3
110	Minimum-time contour tracking with model predictive control approach <b>2014</b> ,		3

109	Nonlinear State Estimation of Moving Boundary Heat Exchanger Models for Organic Rankine Cycle Waste Heat Recovery <b>2013</b> ,			1
108	Adaptive Control With Internal Model for High-Performance Precision Motion Control and Its Application to a Fast-Acting Piezoelectric Actuator. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2013</b> , 135,	1.6		3
107	Robot-assisted intraocular surgery: development of the IRISS and feasibility studies in an animal model. <i>Eye</i> , <b>2013</b> , 27, 972-8	4.4		59
106	Real-Time Image Processing for Locating Veins in Mouse Tails <b>2013</b> ,			1
105	Control of Jitter in a Laser Beam Experiment by Receding-Horizon Adaptive Control*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 383-390			
104	Two-Period Repetitive and Adaptive Control for Repeatable and Nonrepeatable Runout Compensation in Disk Drive Track Following. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2012</b> , 17, 756-766 <sup>5.5</sup>			20
103	Real-time optimal commutation for minimizing thermally induced inaccuracy in multi-motor driven stages. <i>Automatica</i> , <b>2012</b> , 48, 1566-1574	5.7		11
102	Multi-scale Alignment and Positioning System [MAPS]. <i>Precision Engineering</i> , <b>2012</b> , 36, 517-537	2.9		41
101	Respiration induced liver motion tracking control for high intensity focused ultrasound treatment <b>2012</b> ,			1
100	Observer-Based Intensity-Feedback Control for Laser Beam Pointing and Tracking. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> ,	4.8		4
99	Robustness Enhanced Adaptive Control And Optical Head Focusing Experiment. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 11538-11543			
98	Assessment of a hexapod surgical system for robotic micro-macro manipulations in ocular surgery. <i>Ophthalmic Research</i> , <b>2011</b> , 46, 25-30	2.9		24
97	<b>2010</b> ,			6
96	Evaluating remote centers of motion for minimally invasive surgical robots by computer vision <b>2010</b> ,			10
95	Optimal commutation laws by real-time optimization for multiple motor driven systems <b>2010</b> ,			3
94	Robotic eye surgery. <i>Ophthalmology</i> , <b>2010</b> , 117, 857	7.3		5
93	Experimental Study of Adaptive- $Q$ Control for Disk Drive Track-Following Servo Problem. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2010</b> , 15, 480-491	5.5		7
92	Saturation-Induced Instability and Its Avoidance in Adaptive Control of Hard Disk Drives. <i>IEEE Transactions on Control Systems Technology</i> , <b>2010</b> , 18, 368-382	4.8		67

91	Adaptive jitter control for tracker line of sight stabilization <b>2010</b> ,		1
90	Development of a novel variable rake angle mechanism for noncircular turning and its control. <i>Journal of Mechanical Science and Technology</i> , <b>2010</b> , 24, 1035-1040	1.6	5
89	A new method for synthesizing multiple-period adaptive repetitive controllers and its application to the control of hard disk drives. <i>Automatica</i> , <b>2010</b> , 46, 1186-1195	5.7	28
88	An analysis and synthesis of internal model principle type controllers <b>2009</b> ,		3
87	Adaptive rejection of stochastic and deterministic sinusoidal disturbances with unknown frequency <b>2009</b> ,		1
86	Multiple-period adaptive-repetitive control of a hard disk drive <b>2009</b> ,		1
85	Modeling of Compressed Air Hybrid Operation for a Heavy Duty Diesel Engine. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2009</b> , 131,	1.7	4
84	Trajectory tracking and disturbance rejection for linear time-varying systems: Input/output representation. <i>Systems and Control Letters</i> , <b>2009</b> , 58, 452-460	2.4	29
83	Laser beam pointing and stabilization by intensity feedback control <b>2009</b> ,		5
82	A Neural-Networks-Based Adaptive Disturbance Rejection Method and Its Application to the Control of Hard Disk Drives. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2140-2150	2	13
81	Frequency-Weighted Minimum-Variance Adaptive Control of Laser Beam Jitter. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2009</b> , 14, 337-348	5.5	38
80	Adaptive control in the presence of quantization and saturation: Application to laser beam steering by a liquid crystal device <b>2009</b> ,		1
79	Mechatronics and Control of a Precision Motion Stage for Nano-Manufacturing <b>2009</b> ,		2
78	Process Feedback Control of the Noncircular Turning Process for Camshaft Machining. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2008</b> , 130,	1.6	6
77	Design, Modeling, and Motion Control of the Noncircular Turning Process for Camshaft Machining. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2008</b> , 130,	1.6	7
76	Nonlinear adaptive control of optical jitter with a new liquid crystal beam steering device <b>2008</b> ,		5
75	Optimal Suppression of Laser Beam Jitter by High-Order RLS Adaptive Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2008</b> , 16, 255-267	4.8	25
74	Adaptive disturbance rejection for disk drives using neural networks <b>2008</b> ,		3

73	Demonstration of Air-Power-Assist (APA) Engine Technology for Clean Combustion and Direct Energy Recovery in Heavy Duty Application <b>2008</b> ,		17
72	Adaptive-repetitive control of a hard disk drive <b>2007</b> ,		10
71	Characterization of Optimal FIR Gains and Minimum-variance Performance for Adaptive Disturbance Rejection. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	2
70	Adaptive Tuning and Control of a Hard Disk Drive. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	4
69	Adaptive Control With Internal Model for High Precision Motion Control <b>2007</b> , 1021		2
68	Adaptive suppression of optical jitter with a new liquid crystal beam steering device <b>2007</b> ,		1
67	Saturation and frequency weighting in adaptive control of laser beam jitter <b>2007</b> ,		3
66	Nano-precision dynamic motion control <b>2007</b> ,		3
65	Adaptive and Repetitive Control for Rejecting Repeatable and Non-Repeatable Runout in Rotating Devices <b>2007</b> ,		2
64	The Effect of Computational Delay on Performance of Adaptive Control Systems <b>2006</b> , 129		2
63	Variable-order adaptive control of a microelectromechanical steering mirror for suppression of laser beam jitter. <i>Optical Engineering</i> , <b>2006</b> , 45, 104206	1.1	22
62	Optimal Jitter Rejection In Laser Beam Steering with Variable-Order Adaptive Control <b>2006</b> ,		4
61	Adaptive control of jitter in a laser beam pointing system <b>2006</b> ,		9
60	Adaptive control of jitter in laser beam pointing and tracking <b>2006</b> ,		7
59	Design and Control of Fast Tool Servo for Boring of Engine Piston Pin Holes <b>2006</b> , 1007		1
58	Adaptive control of a MEMS steering mirror for free-space laser communications <b>2005</b> ,		3
57	Control of linear motor machine tool feed drives for end milling: Robust MIMO approach. <i>Mechatronics</i> , <b>2005</b> , 15, 1207-1224	3	19
56	Adaptive control of a tilt mirror for laser beam steering <b>2004</b> ,		11

55	Adaptive Control of MEMS Mirrors for Beam Steering <b>2004</b> , 71		4
54	Optimal disturbance rejection by LTI feedback control in a laser beam steering system <b>2004</b> ,		4
53	Repetitive learning of backstepping controlled nonlinear electrohydraulic material testing system. <i>Control Engineering Practice</i> , <b>2004</b> , 12, 1393-1408	3.9	11
52	Two-parameter robust repetitive control with application to a novel dual-stage actuator for noncircular Machining. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2004</b> , 9, 644-652	5.5	53
51	A Performance Enhancement Scheme for Robust Repetitive Control System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2004</b> , 126, 224-229	1.6	16
50	Adaptive-Q with LQG stabilizing feedback and real time computation for disk drive servo control <b>2004</b> ,		10
49	Repetitive Learning Control for Precision Machining of Complex Profiles <b>2004</b> ,		2
48	Using Camless Valvetrain for Air Hybrid Optimization <b>2003</b> ,		34
47	On asymptotics of the solution of the moving oscillator problem. <i>Journal of Sound and Vibration</i> , <b>2003</b> , 260, 519-536	3.9	43
46	Increasing Torque Output from a Turbodiesel with Camless Valvetrain <b>2002</b> ,		13
45	Disturbance rejection for nonlinear systems <b>2002</b> ,		1
44	Repetitive Learning of Back Stepping Controlled Nonlinear Electrohydraulic Material Testing System 1. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 663-668		
43	Nonlinear backstepping control of an electrohydraulic material testing system <b>2002</b> ,		2
42	Robust Performance Repetitive Control Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2001</b> , 123, 330-337	1.6	52
41	Modeling and controller design of an electromagnetic engine valve <b>2001</b> ,		3
40	Robust repetitive controller design with improved performance <b>2001</b> ,		1
39	HPPreview Control for Discrete-Time Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2001</b> , 123, 117-124	1.6	4
38	Periodic Sampling Interval Repetitive Control and Its Application to Variable Spindle Speed Noncircular Turning Process. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2000</b> , 122, 560-566	1.6	26



37	Adaptive nonlinear feedforward control of an electrohydraulic camless valvetrain <b>2000</b> ,		1
36	Adaptive Control With Asymptotic Tracking Performance and Its Application to an Electro-Hydraulic Servo System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2000</b> , 122, 188-195	1.6	13
35	A Linearized Electrohydraulic Servo Valve Model for Valve Dynamics Sensitivity Analysis and Control System Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2000</b> , 122, 179-187	1.6	43
34	Robust performance control of electrohydraulic actuators for electronic cam motion generation. <i>IEEE Transactions on Control Systems Technology</i> , <b>2000</b> , 8, 220-227	4.8	36
33	Repetitive Control for Asymptotic Tracking of Periodic Signals With an Unknown Period. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2000</b> , 122, 364-369	1.6	65
32	Receding Time Horizon Linear Quadratic Optimal Control for Multi-Axis Contour Tracking Motion Control1. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2000</b> , 122, 375-381	1.6	30
31	Control of linear motor machine tool feed drives for end milling: robust MIMO approach <b>1999</b> ,		1
30	Application of Repetitive Control to Vibration Attenuation in Certain Engineering Structures. <i>JVC/Journal of Vibration and Control</i> , <b>1999</b> , 5, 741-760	2	2
29	Torque control for a form tool drilling operation. <i>IEEE Transactions on Control Systems Technology</i> , <b>1999</b> , 7, 22-30	4.8	26
28	Modeling and Control Design of a Powertrain Simulation Testbed for Earthmoving Vehicles <b>1999</b> ,		2
27	Reducing Cutting Force Induced Bore Cylindricity Errors by Learning Control and Variable Depth of Cut Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>1998</b> , 120, 547-554	3.3	17
26	Identification and control of electrohydraulic actuator modeled as a linear periodic system <b>1998</b> ,		1
25	Control of Linear Motors for Machine Tool Feed Drives: Experimental Investigation of Optimal Feedforward Tracking Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1998</b> , 120, 137-142	1.6	3
24	Frequency response based feedforward control design with uncertainty considerations <b>1997</b> ,		5
23	An improved linearized model for electrohydraulic servovalves and its usage for robust performance control system design <b>1997</b> ,		5
22	Control of Linear Motors for Machine Tool Feed Drives: Design and Implementation of H $\infty$ Optimal Feedback Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1996</b> , 118, 649-656	1.6	80
21	Rejection of unknown periodic load disturbances in continuous steel casting process using learning repetitive control approach. <i>IEEE Transactions on Control Systems Technology</i> , <b>1996</b> , 4, 259-265	4.8	90
20	The Design of Extended Bandwidth Shape Memory Alloy Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , <b>1996</b> , 7, 635-645	2.3	7

19	Optimal Feed-Forward Digital Tracking Controller Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1994</b> , 116, 583-592	1.6	55
18	Robust Adaptive and Repetitive Digital Tracking Control and Application to a Hydraulic Servo for Noncircular Machining. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1994</b> , 116, 24-32	1.6	163
17	Stability of Turning Processes with Actively Controlled Linear Motor Feed Drives. <i>Journal of Engineering for Industry</i> , <b>1994</b> , 116, 298-307		36
16	A Sufficient Stability Condition for Linear Conservative Gyroscopic Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>1994</b> , 61, 715-717	2.7	7
15	An Adaptive Repetitive Control Scheme for Tracking periodic Signals with Unknown Period <b>1993</b> ,		11
14	Implementation of a Direct Drive Linear Motor Actuator for Dynamic Control of the Turning Process <b>1993</b> ,		4
13	A new approach to stability analysis of variable speed machining systems. <i>International Journal of Machine Tools and Manufacture</i> , <b>1993</b> , 33, 791-808	9.4	63
12	Asymptotic Rejection of Periodic Disturbances with Uncertain Period <b>1992</b> ,		19
11	Analysis and Synthesis of Discrete-Time Repetitive Controllers. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1989</b> , 111, 353-358	1.6	362
10	Adaptive And Repetitive Digital Control Algorithms for Noncircular Machining <b>1988</b> ,		38
9	Discrete-Time Domain Analysis and Synthesis of Repetitive Controllers <b>1988</b> ,		77
8	Adaptive Zero Phase Error Tracking Algorithm for Digital Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1987</b> , 109, 349-354	1.6	92
7	Robust Adaptive-Q with Two Period Repetitive Control for Disk Drive Track Following		4
6	Control of an electromechanical actuator for camless engines		8
5	Design and control of a dual stage fast tool servo for precision machining		6
4	Adaptive control of a MEMS steering mirror for suppression of laser beam jitter		9
3	Control of an electromechanical camless valve actuator		10
2	A two parameter robust repetitive control design using structured singular values		2

1 Optimal feedforward tracking control of linear motors for machine tool drives

2